

Please replace the Abstract at page 14 with the following rewritten Abstract:

ABSTRACT

An EGR cooler has tubes $[(3)]$ and a shell $[(1)]$ for enclosing the tubes $[(3)]$. Cooling water $[(9)]$ is supplied into and discharged from the shell $[(1)]$ and exhaust gas $[(10)]$ from a diesel engine is guided into each of the tubes $[(3)]$ so as to conduct heat exchange of the exhaust gas $[(10)]$ with the cooling water $[(9)]$. An inner periphery of each of the tubes $[(3)]$ is formed with spiral protrusions $[(12, 13)]$ each having an inclination angle $[(\theta)]$ in a range of 26° - 50° to a plane perpendicular to an axis $[(x)]$ of the tube $[(3)]$.